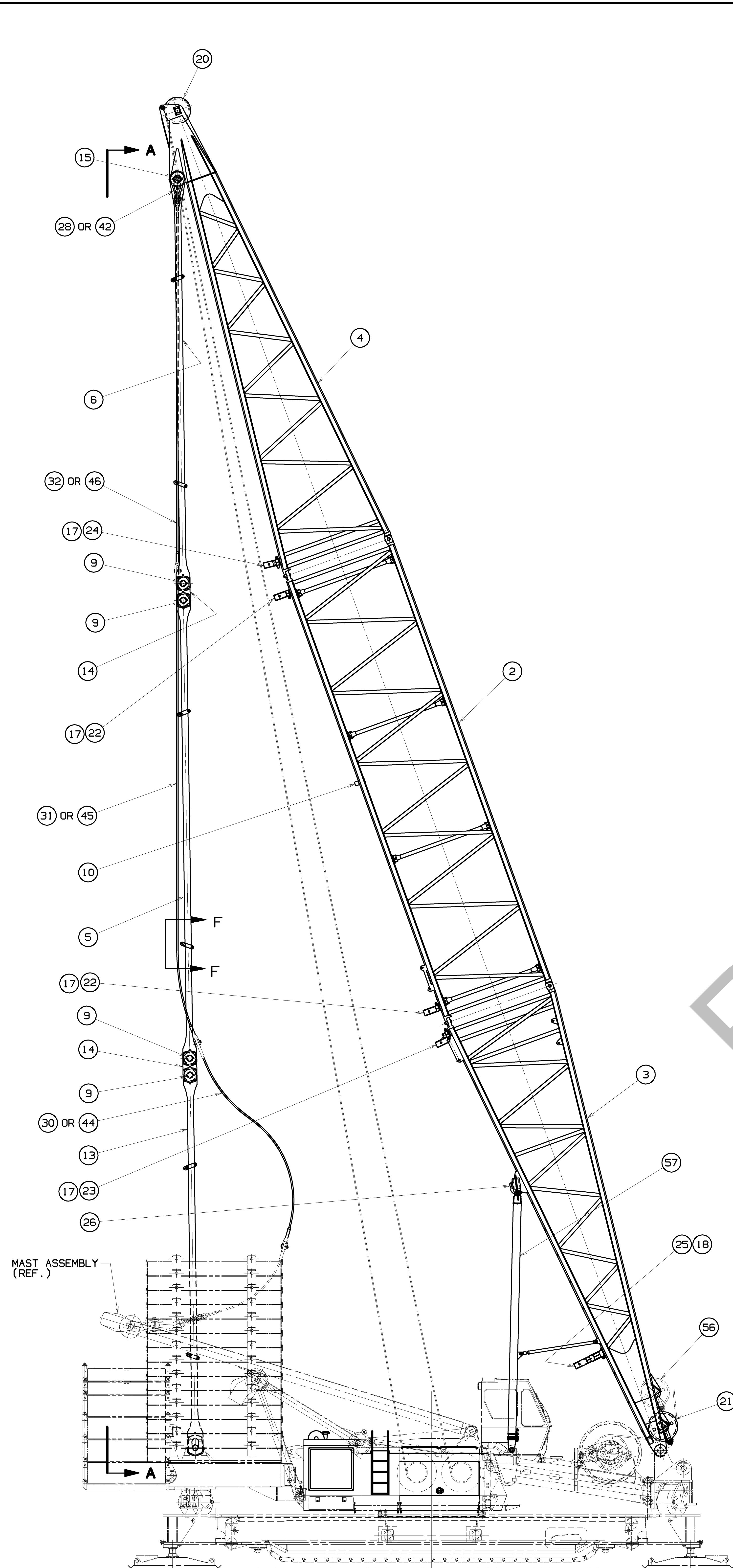
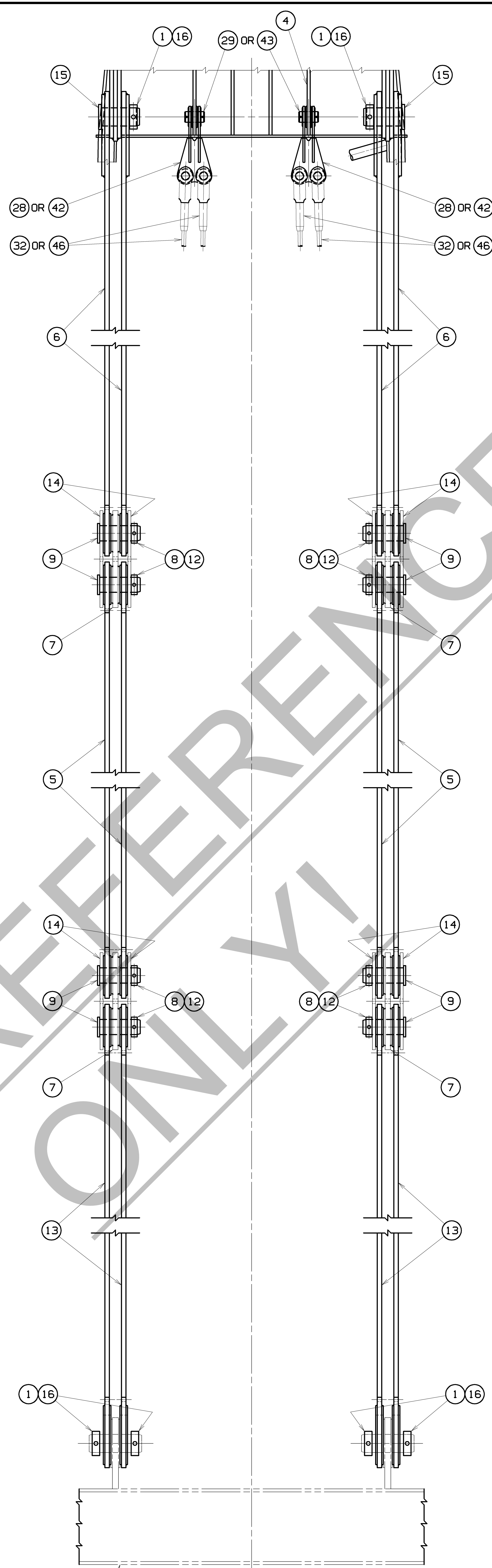




49A MAST RIGGING WITH #22EL BOOM
PENDANT AND LINK ARRANGEMENT (SHOWN)

DO NOT SCALE THIS DRAWING

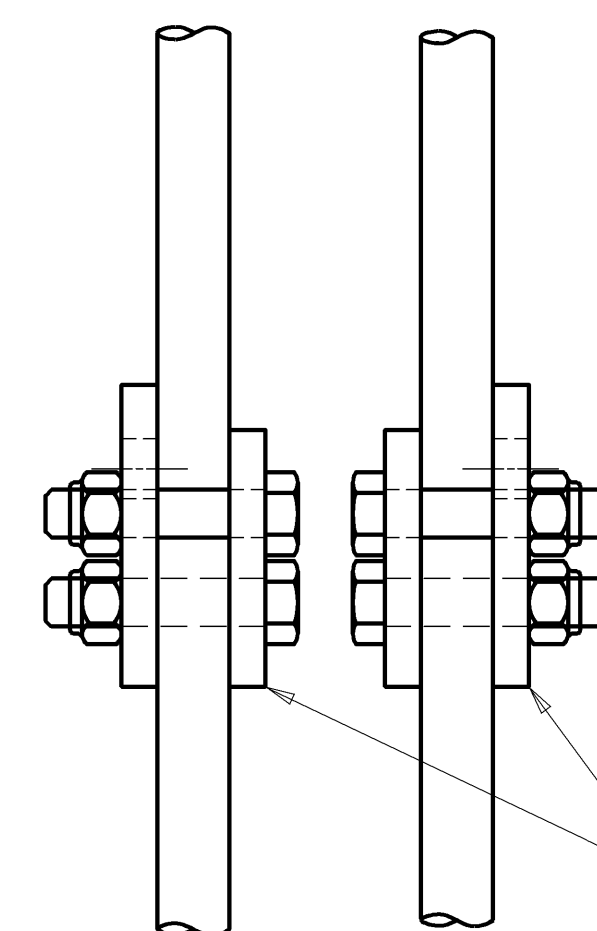


COUNTERWEIGHT
TRAY (REF.)

VIEW "A" - "A"
SCALE: .75=1FT.

- (1) (9) - 27.00 DIA. SHEAVES
(2) ON DRAWING (78145).
(3) ON DRAWING (140773).
(4) (ITEMS 29, 35, 43 & 49) ARE THE SAME PART NO. (177242).
(ITEMS 30 & 37) ARE THE SAME PART NO. (276862).
(ITEMS 31 & 38) ARE THE SAME PART NO. (276863).
(ITEMS 32, 39, 46 & 53) ARE THE SAME PART NO. (277445).
(ITEMS 44 & 51) ARE THE SAME PART NO. (277426).
(ITEMS 45 & 52) ARE THE SAME PART NO. (277427).
(5) IF 40 FT. 49A BOOM BUTT (174551) IS TO BE USED AS THE
MAST BUTT AND IS NOT EQUIPPED WITH MOUNTING PLATES FOR
WIRE ROPE GUIDE ASSEMBLY (ITEM 21), MODIFY PER (421243).
(6) IF MAST ASSEMBLY USED WITH 888 RINGER IS EQUIPPED WITH
LINK (176665), MODIFY LINK PER (421249).
(7) WHEN MAST IS USED AS BOOM AND/OR BOOM HANDLING W/MAST
MAST STOP ASSEMBLY 179796 (ITEM 59) REPLACES MAST
STOP ASSEMBLY 178035 (ITEM 57). WIRE ROPE GUIDE
ASSEMBLY (ITEM 58) IS ALSO REQUIRED.
(8) OPTIONAL CAT WALK ASSEMBLY

BOOM SECTION	OPTIONAL CAT WALK ASSY
174422	81016953
174551	81016972
177755	81016973



LIFTING BRACKET ASSEMBLY MUST BE
INSTALLED WITH THREADS/NUTS TO THE
OUTSIDE OF THE BACKHITCH STRAP
PAIRS (ITEMS 5, 6, AND 13).

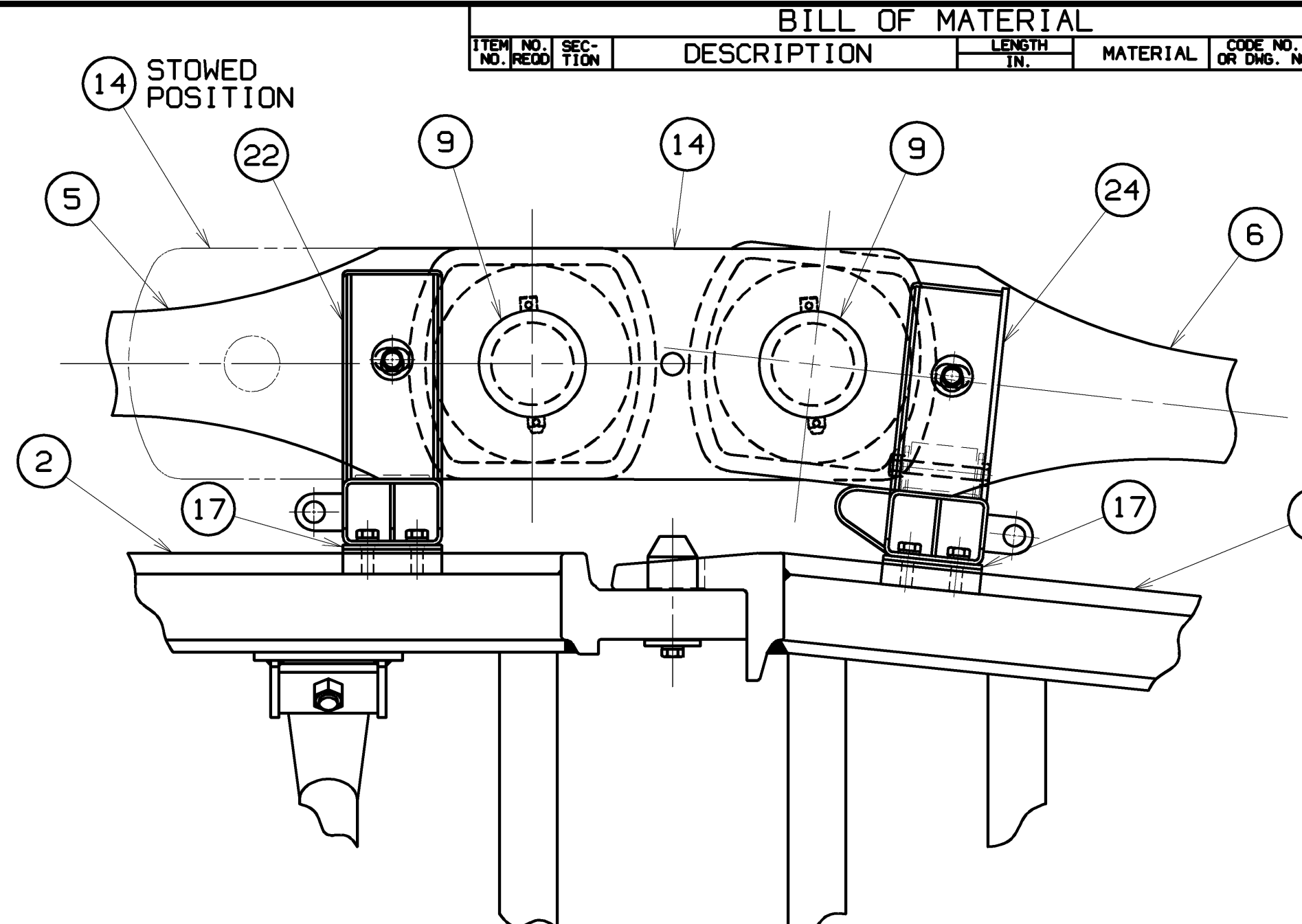
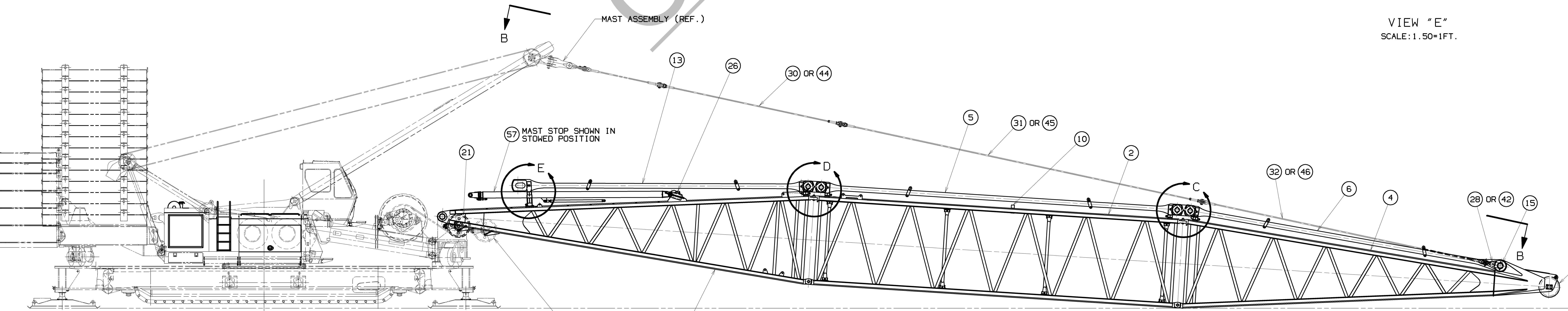
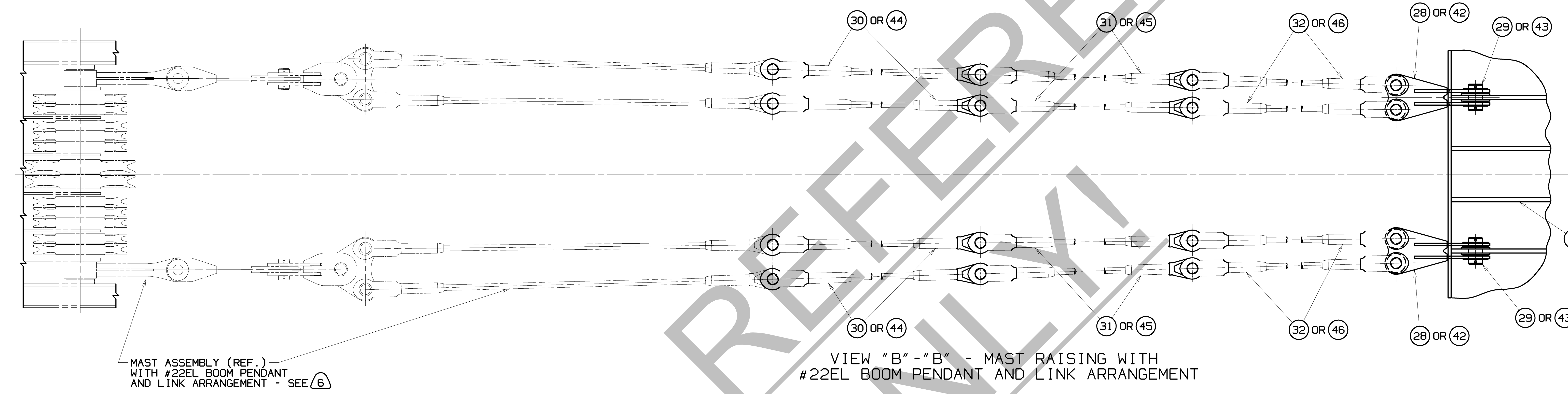
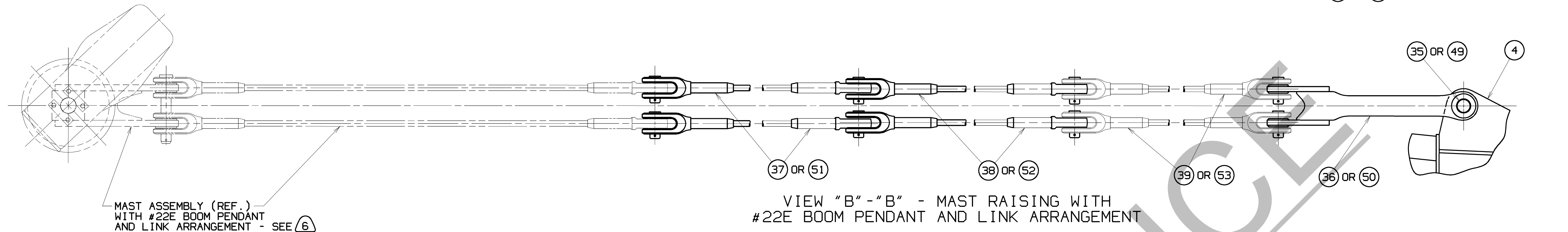
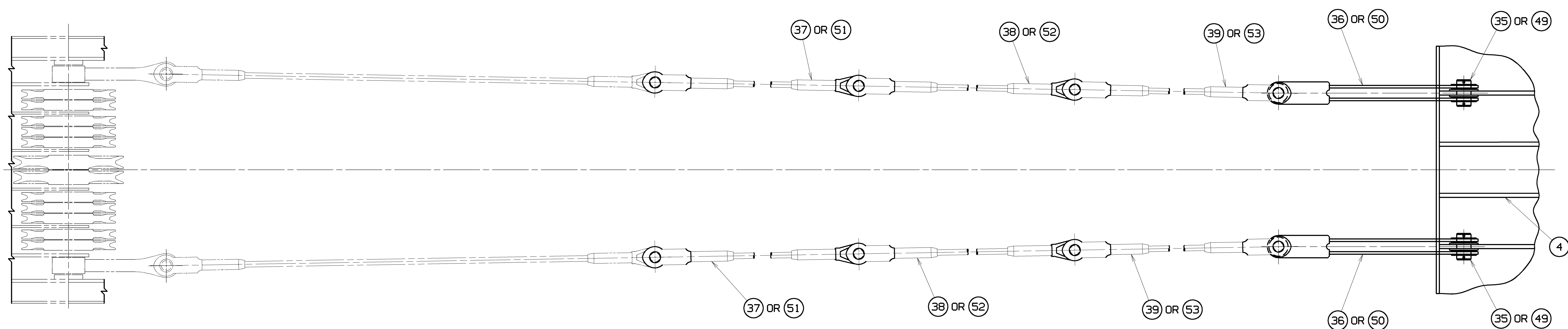
VIEW F-F
SCALE: 3=1FT

BILL OF MATERIAL				ASSEMBLIES USED ON
ITEM NO.	QTY.	DESCRIPTION	MATERIAL	QTY. NO.
2175-0000 MAST ASSEMBLY				
1	6	PIN	174149	
2	1	40 FT. INSERT #49A	174422	8
3	1	40 FT. BOOM BUTT #49A	174551	5
4	1	40 FT. MAST TOP #49A	177755	8
5	4	STRAP - BACKHITCH MIDDLE	177820	
6	4	STRAP - BACKHITCH MAST TOP	177821	
7	4	LINK - INSIDE	177822	
8	8	COLLAR	177823	
9	8	PIN	177824	
10	1	TIMBER 106.75 IN LG X 3.50 W	81017180	
11				
12	8	PIN	177908	
13	4	STRAP - BACKHITCH CTWT TRAY	177909	
14	8	LINK - OUTSIDE	177911	
15	2	PIN	177994	
16	6	COLLAR	177995	
17	8	SPACER PLATE 6.00 X 1.75 X 0.25 THK	81017902	
18	2	SPACER PLATE 11.00 X 2.00 X 0.25 THK	81017877	
19	1	MAST STOP ASSEMBLY	178035	1
20	1	MAST POINT ASSEMBLY #49A	178036	1
21	1	WIRE ROPE GUIDE ASSEMBLY FRONT DRUM	178045	
22	2	STRAP SUPP. ASSEMBLY-MAST INSERT	178430	
23	1	STRAP SUPP. ASSEM.-UPPER MAST BUTT	178431	
24	1	STRAP SUPP. ASSEMBLY-MAST TOP	178432	
25	1	STRAP SUPP. ASSEM.-LOWER MAST BUTT	178433	
26	1	TIMBER	178146	
27				
2175-0010 MAST ASSEMBLY WITH #22EL NON-STOWABLE BOOM PENDANT AND LINK ARRANGEMENT				
28	2	PENDANT LINK	177209	
29	2	PIN	177242	4
30	4	PENDANT 20 FT. (6.10M)	276862	2
31	4	PENDANT 40 FT. (12.19M)	276863	2
32	4	PENDANT 31 FT. - 4.50 (9.56M)	277445	3
33				
34				
2175-0020 MAST ASSEMBLY WITH #22E NON-STOWABLE BOOM PENDANT AND LINK ARRANGEMENT				
35	2	PIN	177242	4
36	2	PENDANT LINK	177955	
37	4	PENDANT 20 FT. (6.10M)	276862	2
38	4	PENDANT 40 FT. (12.19M)	276863	2
39	4	PENDANT 31 FT. - 4.50 (9.56M)	277445	3
40				
41				
2175-0030 MAST ASSEMBLY WITH #22EL STOWABLE BOOM PENDANT AND LINK ARRANGEMENT				
42	2	PENDANT LINK	177209	
43	2	PIN	177242	4
44	4	PENDANT 20 FT.-1.50 (6.13M)	277426	2
45	4	PENDANT 40 FT.-3.00 (12.27M)	277427	2
46	4	PENDANT 31 FT. - 4.50 (9.56M)	277445	3
47				
48				
2175-0040 MAST ASSEMBLY WITH #22E STOWABLE BOOM PENDANT AND LINK ARRANGEMENT				
49	2	PIN	177242	4
50	2	PENDANT LINK	177955	
51	4	PENDANT 20 FT.-1.50 (6.13M)	277426	2
52	4	PENDANT 40 FT.-3.00 (12.27M)	277427	2
53	4	PENDANT 31 FT. - 4.50 (9.56M)	277445	3
54				
55				
OPTIONAL ASSEMBLY LIST				
56	1	WIRE ROPE GUIDE ASM.AUX.STINGER DRUM	178046	
57	1	MAST STOP ASSEMBLY	178035	7
58	1	WIRE ROPE GUIDE ASSEMBLY	179747	7
59	1	MAST STOP ASSEMBLY	179796	7
60	1	CAT WALK ASSY 40FT #49A INSERT	81016953	6
61	1	CAT WALK ASSY 40FT #49A BOOM BUTT	81016972	6
62	1	CAT WALK ASSY 40FT #49A MAST TOP	81016973	6
2175-0050 MAST AS BOOM - BOOM HANDLING SEE (7)				
63	2	PIN	179876	
64	1	LIFTING BEAM	179893	
65	1	MODIFICATION TO BOOM BUTT	421306	
66	1	MODIFICATION TO EQUALIZER	421308	

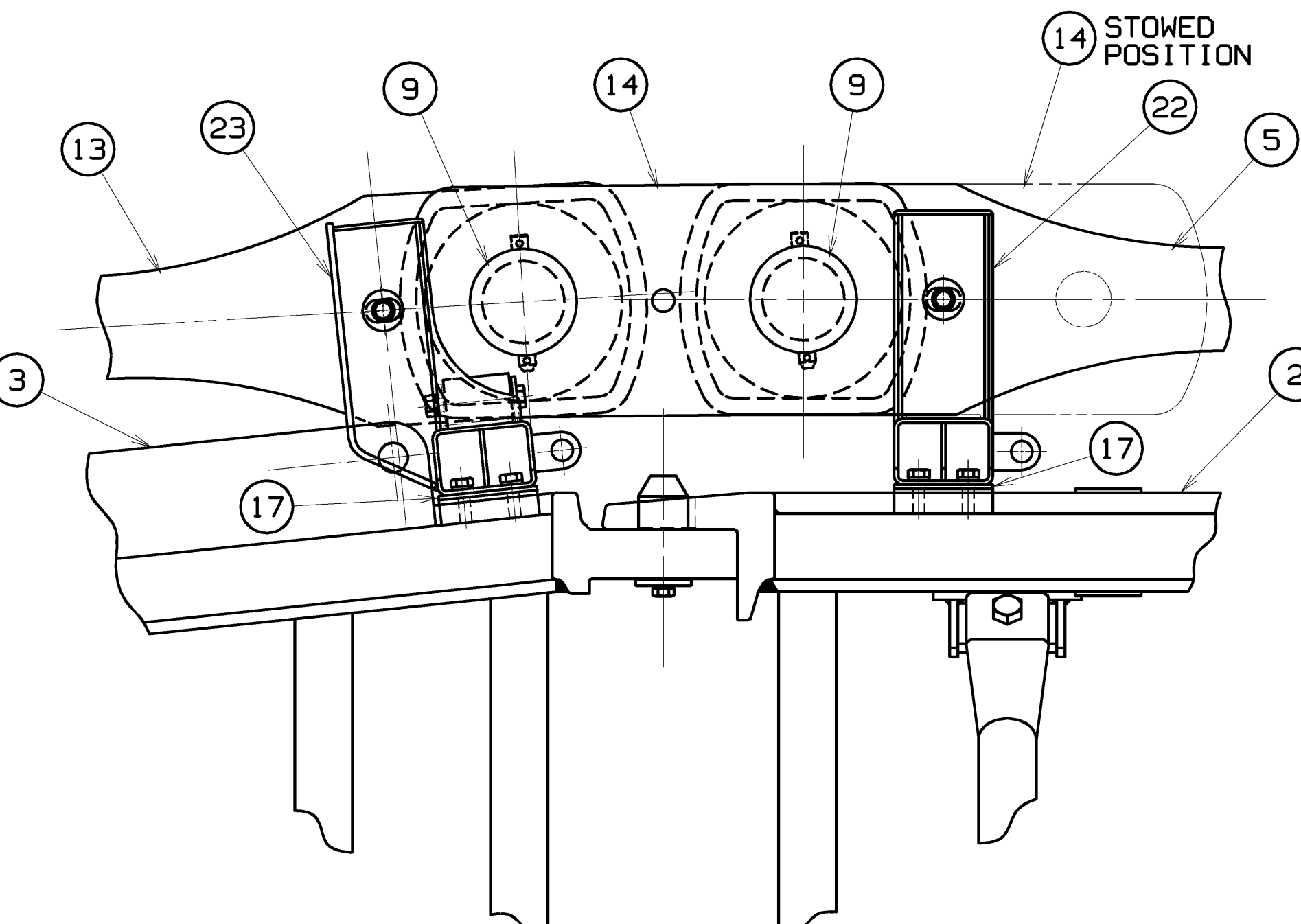
PRIVATE LABELING
REQUIREMENT TO
CONFORM TO
ENGINEERING
SPECIFICATION
6829103794 FOR
COMPONENTS LISTED
IN 6829103794

DATE
11-19-96
PATTERN NO.

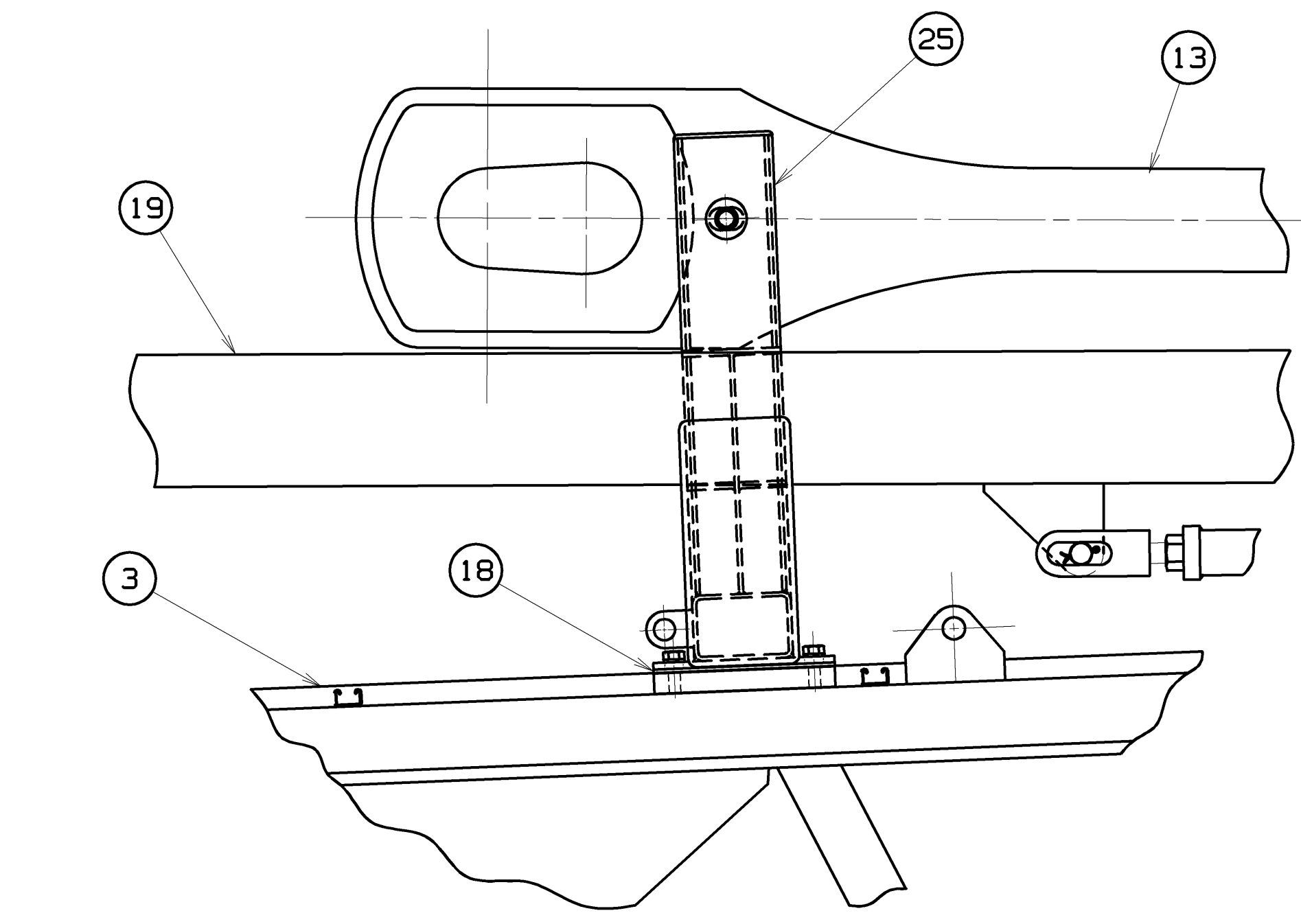
177810



VIEW "C"
SCALE: 1.50=1FT.



VIEW "D"
SCALE: 1.50=1FT.



VIEW "E"
SCALE: 1.50=1FT.

BILL OF MATERIAL

ITEM NO.	QTY	DESCRIPTION	UNIT	MATERIAL	OR	QTY	DESCRIPTION	UNIT	MATERIAL
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177811

REVISIONS
12-01-97 ACK
108-29-11 JMG
UPDATED VIEWS
TO ADD ITEMS
17 AND 18

177810
SHT. 2 OF 4

PRIVATE LABELING
REQUIREMENT TO
CONFORM TO
ENGINEERING
SPECIFICATION
6829103794 FOR
COMPONENTS LISTED
IN 6829103794

11-19-96
PATTERN NO.

177810

49A MAST ASSEMBLY SHOWING STOWED POSITION
OF BACKHITCH STRAPS WITH MAST LOWERED

DO NOT SCALE THIS DRAWING

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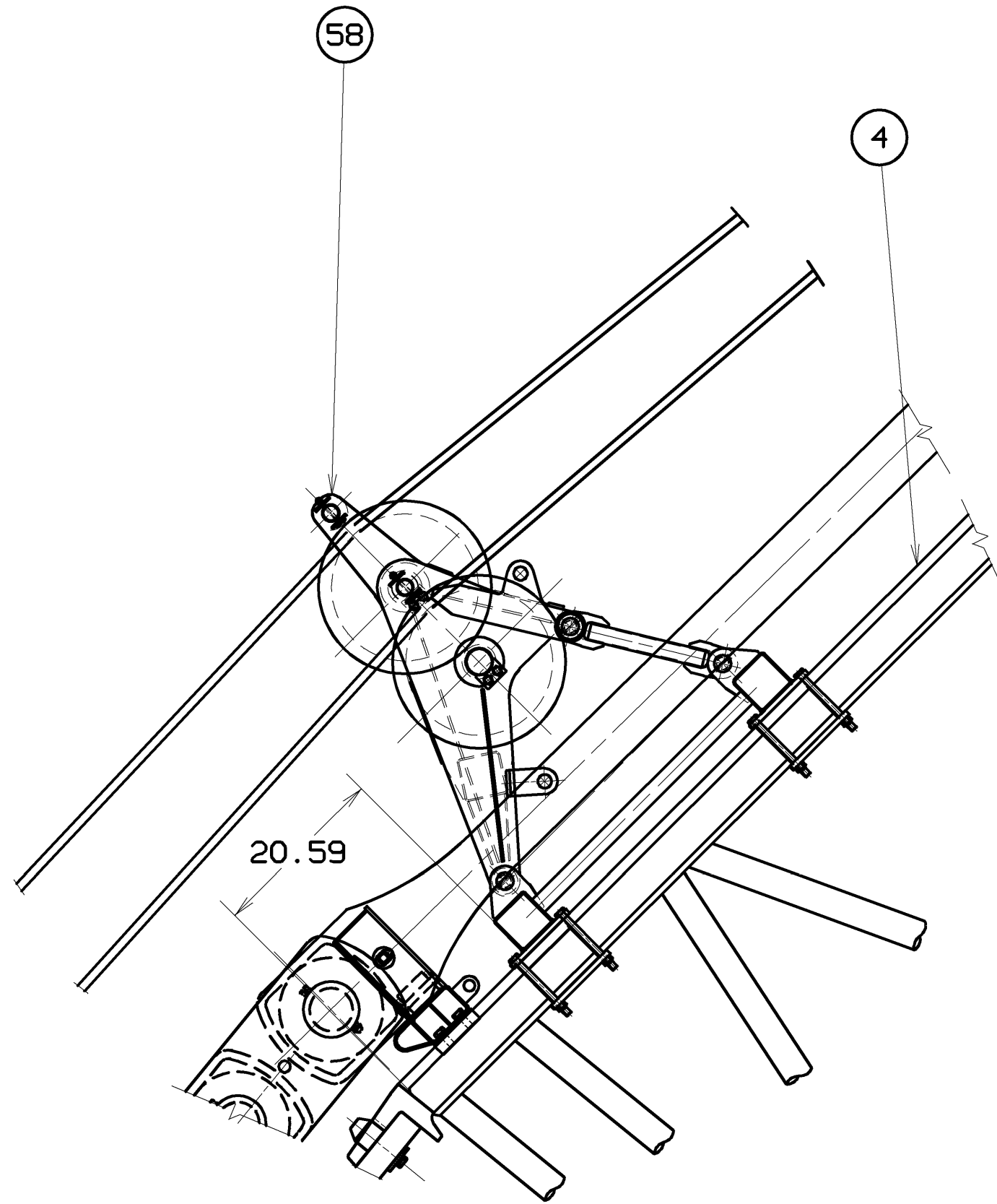
BOOM LENGTH	MAXIMUM MAST POINT RADIUS
125	95
150	95
175	95
200	95
225	90
250	90
275	90
300	90
325	85
350	85
375	85
400	80
425	80

MINIMUM MAST POINT RADIUS = 70 FT

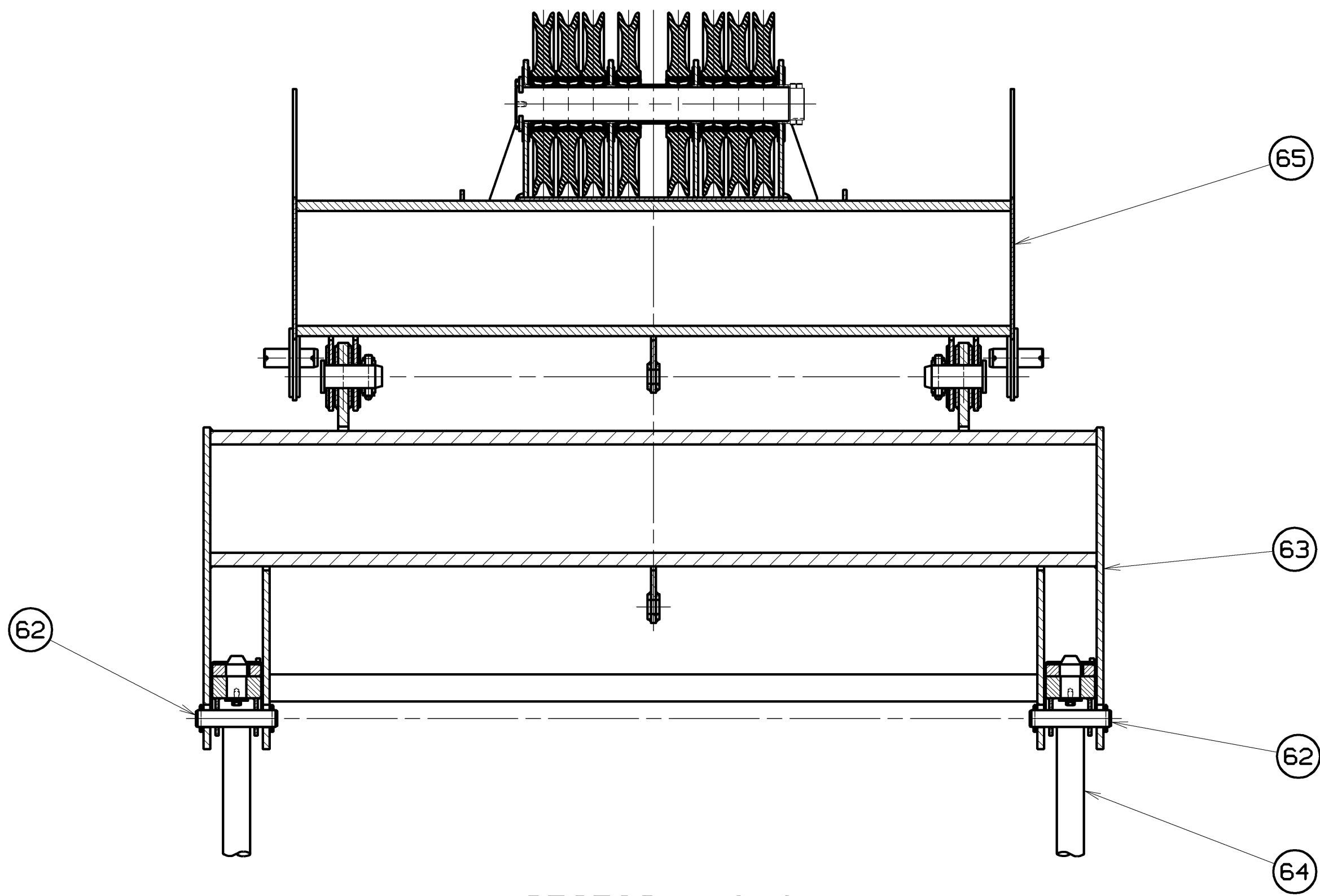
MAST BOOM HANDLING REQUIRES FULL RINGER
COUNTERWEIGHT, AND MAST STOP TO BE PINNED
IN EXTENDED POSITION.

ANY HANDLING USING CENTER LIFTING LUG ON
EQUALIZER IS LIMITED TO 50,000 LBS, MAX.
MAST RADIUS = 105 FT.

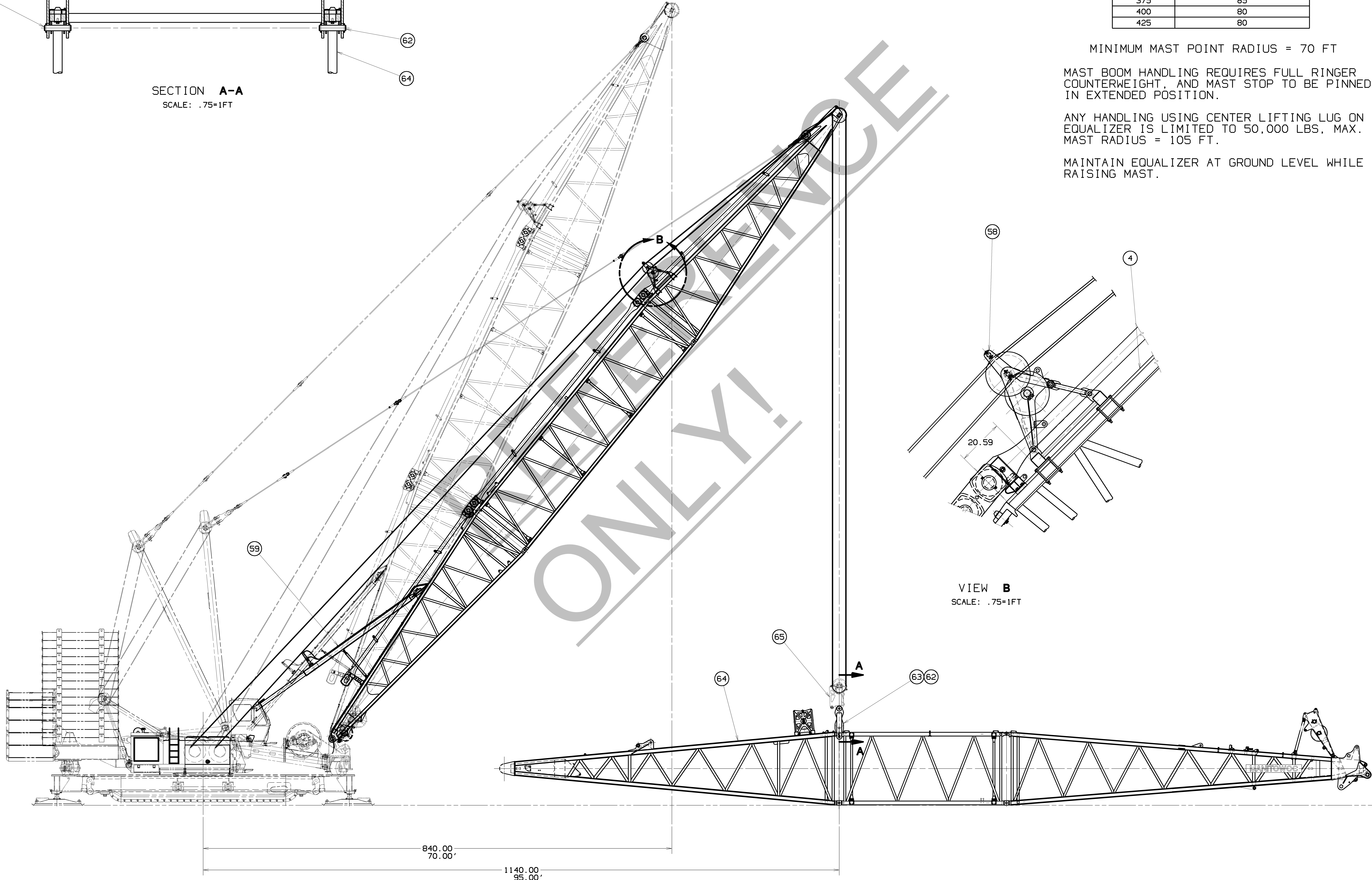
MAINTAIN EQUALIZER AT GROUND LEVEL WHILE
RAISING MAST.



VIEW **B**
SCALE: .75=1FT



SECTION **A-A**
SCALE: .75=1FT



49A MAST ASSEMBLY SHOWING MAST BOOM HANDLING
CAPABILITIES WITH 125 FT OF BOOM

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										(1) PLACE 0.0										± 10 FEET ± 1.0										± 1.8 ± 0.3										EX. MJS										MODEL 888 RINGER										MAST AS BOOM										177810									
										(2) PLACE 0.0										± 0.08 ± 1.2										± 0.15 ± 0.1										APP TSW										MAST ARRANGEMENT										177810																			
										(3) PLACE 0.000										± 0.001 ± 0.001										± 0.005 ± 0.005																																																	